

# ABSTRACT OF SANITARY REPORTS.

VOL. IX.

WASHINGTON, D. C., JANUARY 19, 1894.

No. 3.

TREASURY DEPARTMENT, *U. S. Marine-Hospital Service*.—Published in accordance with act of Congress approved February 15, 1893.

## UNITED STATES.

[Reports to the Supervising Surgeon-General M. H. S.]

### *Smallpox at Nashville.*

NASHVILLE, January 14, 1894.—SIR: I have the honor to report 2 new cases of smallpox. These, as well as the 5 previously reported, have been properly isolated, and are doing well. City authorities have ordered general vaccination, which was begun yesterday.—RICHARD DOUGLAS, *Acting Assistant Surgeon, M. H. S.*

### *Smallpox in Pennsylvania.*

PHILADELPHIA, January 11, 1893.—The Reading, Berks County, board of health reports that 7 new cases of smallpox occurred in that city during the two weeks ended January 9, 1894, making a total of 710 cases in that city to date with 18 deaths. Twenty-nine cases remain under treatment in the emergency hospital. There are now no houses under quarantine. Cases are also reported in Berks County at Fritztown, West Leesport, and Gibraltar, and at Friedensburg, Schuylkill County. Two new cases are reported at Mechanicsburg, Cumberland County, making a total of 10 in that borough with 1 death to date. One case also exists at Carlisle, Cumberland County, and 2 at Willow Grove, Allegheny County.—BENJAMIN LEE, M. D., *Secretary, State Board of Health of Pennsylvania.*

### *Report of immigration at Boston for the week ended January 13, 1894.*

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of Boston, Mass., January 15, 1894.*

*Number of alien immigrants who arrived at this port during the week ended January 13, 1894; also the name of vessel and the port from which it arrived.*

Date.	Vessel.	Where from.	No. of immigrants.
1894. Jan. 8....	Steamship Pavonia .....	Liverpool, England.....	22

S. C. WRIGHTINGTON,  
*Commissioner of Immigration.*

*Report of immigration at New York for the week ended January 13, 1894.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of New York, January 13, 1894.**Number of alien immigrants who arrived at this port during the week ended January 13, 1894;  
also names of vessels and ports from which they arrived.*

Date.	Vessel.	Where from.	No. of im- migrants.
1894.			
Jan. 7	Steamship Paris.....	Southampton .....	67
8	Steamship La Gascogne.....	Havre.....	33
9	Steamship Moravia.....	Hamburg .....	117
9	Steamship Servia.....	Liverpool .....	34
10	Steamship Noordland .....	Antwerp.....	70
11	Steamship Fulda .....	Genoa.....	198
11	Steamship Spree.....	Bremen .....	104
11	Steamship Teutonic .....	Liverpool .....	84
12	Steamship Norwegian.....	Glasgow.....	41
	Total.....		748

EDW. F. MCSWEENEY,  
*Acting Commissioner of Immigration.**Report of immigration at Philadelphia for the week ended January 13, 1894.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of Philadelphia, Pa., January 13, 1894.**Number of alien immigrants who arrived at this port during the week ended January 13, 1894;  
also the names of vessels and ports from which they arrived.*

Date.	Vessel.	Where from.	No. of im- migrants.
1894.			
Jan. 8	Steamship Polynesia.....	Hamburg.....	69
10	Steamship Southwark.....	Liverpool.....	40
15	Steamship Switzerland.....	Antwerp.....	74
	Total.....		183

JNO. J. S. RODGERS,  
*Commissioner of Immigration.**Reports of States and yearly and monthly reports of cities.*

ALABAMA—*Mobile*.—Month of December, 1893. Population, 31,076. Total deaths, white, 43; colored, 56; total, 99, including 9 from phthisis pulmonalis.

CALIFORNIA—*Oakland*.—Month of December, 1893. Estimated population, 60,000. Total deaths, 67, including phthisis pulmonalis, 7; enteric fever, 1; scarlet fever, 1; and diphtheria, 6.

*Sacramento*.—Month of December, 1893. Estimated population, 30,000. Total deaths, 32, including phthisis pulmonalis, 3; enteric fever, 3; and diphtheria, 1.

CONNECTICUT.—*Bridgeport*.—Month of December, 1893. Population, 48,866. Total deaths, 86, including phthisis pulmonalis, 10; enteric fever, 2; scarlet fever, 1; diphtheria and croup, 4; and whooping cough, 2.

FLORIDA.—Month of November, 1893. Reports to the State board of health from 45 counties, including the cities of Jacksonville and Pensacola, having an aggregate population of 391,422, show a total of 339 deaths, including phthisis pulmonalis, 47; enteric fever, 6; diphtheria, 1; and croup, 3.

IOWA—*Davenport*.—Month of December, 1893. Estimated population, 34,500. Total deaths, 60; including phthisis pulmonalis, 3; enteric fever, 1; croup, 1; and whooping cough, 2.

*Dubuque*.—Month of December, 1893. Estimated population, 40,000. Total deaths, 49; including phthisis pulmonalis, 4; diphtheria, 1; croup, 4; and whooping cough, 1.

*Keokuk*.—Month of December, 1893. Estimated population, 20,000. Total deaths, 17; including phthisis pulmonalis, 2; croup, 2; and whooping cough, 1.

MAINE—*Portland*.—Month of December, 1893. Estimated population, 40,000. Total deaths, 75; including phthisis pulmonalis, 4; scarlet fever, 1; and diphtheria, 1.

MASSACHUSETTS—*Brockton*.—Month of December, 1893. Estimated population, 30,000. Total deaths, 51, including phthisis pulmonalis, 2, and croup, 1.

*Northampton*.—Month of December, 1893. Population, 16,400. Total deaths, 38, including phthisis pulmonalis, 6; enteric fever, 2; scarlet fever, 1; and measles, 1.

MISSOURI—*St. Louis*.—Month of December, 1893. Population, 460,000. Total deaths, 909, including phthisis pulmonalis, 96; enteric fever, 11; scarlet fever, 7; diphtheria, 18; croup, 14; and whooping cough, 3.

MONTANA—*Butte*.—Year ending December 31, 1893. Estimated population, 30,000. Total deaths, 504, including phthisis pulmonalis, 27; smallpox, 3; enteric fever, 24; scarlet fever, 25; diphtheria, 7; croup, 5; and measles, 17.

NEW YORK—*Buffalo*.—Month of December, 1893. Estimated population, 300,000. Total deaths, 509, including phthisis pulmonalis, 41; enteric fever, 13; scarlet fever, 9; diphtheria, 16; croup, 5; measles, 1; and whooping cough 5.

*Rochester*.—Month of December, 1893. Estimated population, 150,000. Total deaths, 238, including phthisis pulmonalis, 24; enteric fever, 3; scarlet fever, 2; diphtheria, 7; and croup, 12.

OHIO—*Mansfield*.—Month of December, 1893. Estimated population, 15,000. Total deaths, 15, including phthisis pulmonalis, 1; and diphtheria, 2.

RHODE ISLAND—*Newport*.—Month of December, 1893. Estimated population, 20,000. Total deaths, 31, including phthisis pulmonalis, 2; enteric fever, 1; scarlet fever, 1; and whooping cough, 3.

TENNESSEE—*Chattanooga*.—Month of December, 1893. Population, white, 27,000; colored, 13,000; total, 40,000. Deaths, white, 26; colored, 41; total, 67, including phthisis pulmonalis, 10; and croup, 2.

**Memphis.**—Month of December, 1893. Population, white, 32,376; colored, 25,575; total, 57,951. Deaths, white, 64; colored, 59; total, 123, including phthisis pulmonalis, 17; enteric fever, 1; and diphtheria, 3.

**Nashville.**—Month of December, 1893. Estimated population, white, 54,595; colored, 33,159; total, 87,754. Deaths, white, 70; colored, 82; total, 152, including phthisis pulmonalis, 28; smallpox, 1; enteric fever, 1; and croup, 1.

**WISCONSIN—Milwaukee.**—Month of December, 1893. Estimated population, 260,000. Total deaths, 431, including phthisis pulmonalis, 27; enteric fever, 7; scarlet fever, 5; diphtheria, 11; croup, 12; and measles, 22.

## PUBLICATIONS RECEIVED.

Report of the Health Department of the City and County of San Francisco, Year ended June 30, 1893.

Second Annual Report of the Board of Health of the State of Washington.

MORTALITY TABLE, CITIES OF THE UNITED STATES.

Cities.	Week ended.	Population, U. S. Census of 1890.	Total deaths from all causes.	Deaths from—									
				Phthisis pulmonalis.	Yellow fever.	Smallpox.	Variceloid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Altoona, Pa.	Oct. 28	30,337	10							1		1	
Altoona, Pa.	Nov. 4	30,337	16	3								1	
Altoona, Pa.	Nov. 11	30,337	10	2								1	
Altoona, Pa.	Nov. 18	30,337	13	2									
Altoona, Pa.	Nov. 25	30,337	8	1								2	
Altoona, Pa.	Dec. 2	30,337	15	2									1
Altoona, Pa.	Dec. 9	30,337	16	2								1	
Altoona, Pa.	Dec. 16	30,337	18	2									
Altoona, Pa.	Dec. 23	30,337	11	2									
Altoona, Pa.	Dec. 31	30,337	14						1	1		1	
Baltimore, Md.	Jan. 13	434,439	200	30						3	1		1
Boston, Mass.	Jan. 13	448,477	248	28		1			1	4	12		1
Brooklyn, N. Y.	Jan. 6	806,343	367	47					1	4	23	1	2
Cincinnati, Ohio.	Jan. 13	296,908	123							5		7	19
Cleveland, Ohio.	Jan. 13	261,353	63	9					2	1	4		
Detroit, Mich.	Jan. 13	205,876	61	5						1			1
Fall River, Mass.	Jan. 13	74,398	34	1									
Galveston, Tex.	Jan. 5	29,084	17	1									
Manchester, N. H.	Jan. 6	44,126							1			2	
Milwaukee, Wis.	Jan. 13	204,468	86	7					1	1	3	5	
Minneapolis, Minn.	Jan. 13	164,738	33	3					1	4	2		
Nashville, Tenn.	Jan. 13	76,306	29	5									
New Orleans, La.	Jan. 6	242,039	181										
New York, N. Y.	Jan. 13	1,515,301	929	83	3				5	9	63	29	3
Omaha, Nebr.	Jan. 6	140,452	26	1					3		2		
Philadelphia, Pa.	Jan. 6	1,046,964	613	59					8	4	18	1	5
Pittsburg, Pa.	Jan. 6	238,617	99	11					2	5	5	1	
Portland, Me.	Jan. 13	40,000	17	2					1				
Providence, R. I.	Jan. 23	148,944	83						1	1			
Richmond, Va.	Jan. 13	81,388	27	2									
Rochester, N. Y.	Jan. 13	133,896	53	10							4		
St. Louis, Mo.	Jan. 6	460,000	160	18						2	4		3
St. Louis, Mo.	Jan. 13	460,000	141	20						2	6		
San Diego, Cal.	Jan. 6	16,159	3										
San Francisco, Cal.	Jan. 6	298,997	122	13					1				3
Shreveport, La.	Jan. 6	11,981	1										
Yonkers, N. Y.	Jan. 12	32,033	12	1									
Youngstown, Ohio.	Jan. 12	33,220	6	1									
Washington, D. C.	Jan. 6	230,392	113	8					2		1		

Table of temperature and rainfall, week ended January 8, 1894.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	*Excess.	*Deficiency.	Normal.	Excess.	Deficiency.
<b>New England States:</b>						
Eastport, Me.....	22	2		91		37
Portland, Me.....	22	4		77		35
Northfield, Vt.....	17	7		90		48
Boston, Mass.....	28	8		93		87
Nantucket, Mass.....	32	5		84		78
Block Island, R. I.....	33	5		98		90
New London, Conn.....	30	5		98		84
<b>Middle Atlantic States:</b>						
Albany, N. Y.....	25	5		63		12
New York, N. Y.....	32	5		84		81
Philadelphia, Pa.....	32	7		74		71
Atlantic City, N. J.....	33	7		91		73
Baltimore, Md.....	35	5		70		63
Washington, D. C.....	33	7		73		49
Lynchburg, Va.....	35	9		91		57
Norfolk, Va.....	40	7		84	21	
<b>South Atlantic States:</b>						
Charlotte, N. C.....	39	10		118	30	
Raleigh, N. C.....	40	8		75	124	
Wilmington, N. C.....	45	9		87		86
Charleston, S. C.....	48	8		91		91
Augusta, Ga.....	46	8		95		83
Savannah, Ga.....	49	9		84		83
Jacksonville, Fla.....	52	7		77		77
Titusville, Fla.....	61	3		57		57
Jupiter, Fla.....	67	0		65		65
Key West, Fla.....	69	2		43		43
<b>Gulf States:</b>						
Atlanta, Ga.....	41	11		128	08	
Pensacola, Fla.....	52	9		112		56
Mobile, Ala.....	50	10		112		45
Montgomery, Ala.....	47	11		112		67
Vicksburg, Miss.....	43	14		119		20
New Orleans, La.....	55	10		122		112
Shreveport, La.....	43	13		112		57
Fort Smith, Ark.....	36	8		51		51
Little Rock, Ark.....	39	9		105		93
Palestine, Tex.....	41	14		94		89
Galveston, Tex.....	52	11		91		78
San Antonio, Tex.....	50	9		35		34
Corpus Christi, Tex.....	50	13		82		74
<b>Ohio Valley and Tennessee:</b>						
Memphis, Tenn.....	36	14		119	24	
Nashville, Tenn.....	36	12		112	09	
Chattanooga, Tenn.....	41	9		145	13	
Knoxville, Tenn.....	37	12		125	42	
Louisville, Ky.....	32	12		91	15	
Indianapolis, Ind.....	27	10		70		24
Cincinnati, Ohio.....	32	11		77	14	
Columbus, Ohio.....	27	12		77		15
Parkersburg, W. Va.....	32	10		70		43
Pittsburg, Pa.....	29	12		70		46
<b>Lake Region:</b>						
Oswego, N. Y.....	25	6		70	07	
Rochester, N. Y.....	25	8		70		45
Buffalo, N. Y.....	26	7		67		31
Erie, Pa.....	28	8		77		11
Cleveland, Ohio.....	26	11		56	61	
Sandusky, Ohio.....	26	9		49	40	
Toledo, Ohio.....	26	9		49	36	
Detroit, Mich.....	27	6		49		24
Port Huron, Mich.....	23	8		49		33
Alpena, Mich.....	19	5		56		24
Marquette, Mich.....	18	0		40	50	
Green Bay, Wis.....	16	1		63		43
Grand Haven, Mich.....	25	6		56		38
Milwaukee, Wis.....	19	7		49		42
Chicago, Ill.....	24	5		49		48
Duluth, Minn.....	11	3		28	32	
<b>Upper Mississippi Valley:</b>						
St. Paul, Minn.....	11		7	26	23	
La Crosse, Wis.....	16		1	31		04
Dubuque, Iowa.....	18	2		42		37

\*The figures in these columns represent the average daily departure. To obtain the average weekly departure these should be multiplied by seven.



Table of temperature and rainfall, week ended January 8, 1894—Continued.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	*Excess.	*Defic'ncy.	Normal.	Excess.	Deficiency.
Upper Mississippi Valley—Cont'd.						
Davenport, Iowa.....	19	4	.....	.35	.....	.31
Des Moines, Iowa.....	18	1	.....	.35	.....	.28
Keokuk, Iowa.....	21	8	.....	.42	.....	.42
Springfield, Ill.....	25	6	.....	.51	.....	.50
Cairo, Ill.....	32	12	.....	.88	.....	.52
St. Louis, Mo.....	28	9	.....	.49	.....	.30
Missouri Valley:						
Springfield, Mo.....	31	8	.....	.49	.....	.49
Kansas City, Mo.....	27	0	.....	.21	.....	.21
Wichita, Kans.....	29	0	.....	.33	.....	.33
Concordia, Kans.....	24	.....	1	.21	.....	.18
Omaha, Nebr.....	19	.....	3	.19	.....	.09
Yankton, S. Dak.....	16	.....	14	.10	.09	.....
Valentine, Nebr.....	17	.....	12	.14	.35	.....
Huron, S. Dak.....	9	.....	16	.14	.....	.....
Pierre, S. Dak.....	10	.....	11	.14	.07	.....
Moorehead, Minn.....	2	.....	13	.21	.....	.17
St. Vincent, Minn.....	3	.....	11	.14	.....	.04
Bismarck, N. Dak.....	5	.....	17	.14	.....	.14
Willistons, N. Dak.....	4	.....	16	.14	.....	.14
Rocky Mountain Slope:						
Havre, Mont.....	7	.....	11	.21	.....	.11
Helena, Mont.....	17	.....	12	.28	.45	.....
Rapid City, S. Dak.....	22	.....	17	.07	.08	.....
Spokane, Wash.....	24	.....	8	.63	.....	.07
Walla Walla, Wash.....	33	.....	7	.49	.74	.....
Winnemucca, Nev.....	28	.....	7	.28	.....	.10
Salt Lake City, Utah.....	29	.....	8	.35	.....	.12
Cheyenne, Wyo.....	25	.....	8	.07	.08	.....
North Platte, Nebr.....	20	.....	6	.14	.....	.03
Denver, Colo.....	29	.....	4	.14	.....	.12
Pueblo, Colo.....	30	.....	3	.07	.....	.05
Dodge City, Kans.....	25	1	.....	.14	.....	.14
Abilene, Tex.....	38	11	.....	.21	.....	.21
Santa Fe, N. Mex.....	27	.....	5	.07	.08	.....
El Paso, Tex.....	40	.....	0	.14	.....	.14
Tucson, Ariz.....	49	.....	8	.14	.....	.08
Pacific Coast:						
Port Angeles, Wash.....	36	.....	2	1.29	.....	.74
Olympia, Wash.....	39	.....	5	2.00	.....	1.21
Portland, Oreg.....	39	.....	3	1.73	.....	1.19
Roseburg, Oreg.....	41	.....	5	1.54	.....	.44
Red Bluff, Cal.....	45	.....	7	1.12	.....	1.07
Sacramento, Cal.....	46	.....	6	.91	.....	.71
San Francisco, Cal.....	50	.....	6	1.19	.....	.78
Fresno, Cal.....	44	.....	6	.35	.....	.22
Keeler, Cal.....	40	.....	9	.07	.....	.07
Los Angeles, Cal.....	54	.....	8	.70	.....	.44
San Diego, Cal.....	54	.....	7	.46	.....	.24
Yuma, Ariz.....	54	.....	7	.07	.....	.07

\*The figures in these columns represent the average daily departure. To obtain the average weekly departure these should be multiplied by seven.

## FOREIGN.

[Reports received from the United States consuls through the Department of State and from other sources.]

## AFRICA.

*Senegal free from cholera.*

U. S. CONSULATE,  
*Goree-Dakar, December 19, 1893.*

SIR: The colony of Senegal has been declared free from the epidemic of cholera, and clean bills of health are given in all the ports. The sanitary state of the colony is, in general, very satisfactory.

I am, sir, very truly, yours,

P. STRICKLAND,  
*U. S. Consul.*

To the Hon. JOSIAH QUINCY,  
*Assistant Secretary of State.*

## CUBA.

*Smallpox in Havana.*

HAVANA, CUBA, *January 8, 1894.*

SIR: Referring to my cablegram of the 6th instant, in which I stated that smallpox was increasing in Havana and adjacent towns, I have now the honor to inform you that there are 15 cases of the disease in the military hospital, and although no reports whatever are made of the cases in the city itself, I am confident that 25 or more exist in different parts of its limits.

In the outlying towns there are cases, particularly at a watering place 5 or 6 miles from here, called Santa Maria del Rosario, and on the whole the disease is believed to be increasing, notwithstanding vaccination is being performed to some extent.

On Friday, 5th instant, when we went aboard the American schooner *Angie L. Green*, to inspect her as well as the officers and crew, for a bill of health for Pensacola, one of her negro sailors was found to be developing smallpox. He was sent ashore, the remainder of the persons vaccinated, and the forecabin and different compartments of the vessel were fumigated with strong dioxide of sulphur, and the schooner left for Pensacola. This vessel discharged at Tallapiedra wharf near the military hospital.

As smallpox may be found in any part of the city, especially in the more unsanitary portions of it, and may exist in any of the suburban towns, our consul-general agrees with me that cigar-makers as well as their families, also second-cabin passengers generally, should give evidence of immunity from the disease or be vaccinated before they take their passage. This is regarded as particularly important for the protection of that part of the United States which lies as near Havana as Florida does. Tourists and first-class passengers usually are well vaccinated; moreover, they stop at first-class hotels in healthy parts of the town.

Smallpox is being constantly brought here by steamers from northern Spain, as I have told you in former communications, and I am informed that health officers of ports on this island regard the disease substantially as an endemic, thus practically permitting the sick to go where they like and in any way they choose, and the other passengers, as well as officers and crew of the vessel, are placed under no restrictions whatever.

Very respectfully, your obedient servant,

D. M. BURGESS,  
*Sanitary Inspector, M. H. S.*

To the SUPERVISING SURGEON-GENERAL M. H. S.

RUSSIA.

*Cholera in Russia.*

U. S. CONSULATE,  
*Batoum, Russia, December 23, 1893.*

SIR: I have the honor of transmitting herewith official returns published during the past three weeks concerning cholera in this consular district:

Place.	Date.	Cases.	Deaths.
First week—			
Baku (town).....	Nov. 28-Dec. 6...	6	3
Tiflis (city).....	Nov. 26-Dec. 4...	1	1
Tiflis government.....	Nov. 25-28.....	5	2
Kutais government.....	Nov. 21-28.....	1	.....
Erivan government.....	Nov. 8-18.....	15	7
Stavropol government.....	Nov. 21-Dec. 1...	35	21
Second week—			
Tiflis (city).....	Dec. 5-11.....	2	1
Baku (town).....	Dec. 7-12.....	2	1
Erivan (town).....	Dec. 9-11.....	6	2
Stavropol government.....	Dec. 1-10.....	77	29
Kars government.....	Nov. 28-Dec. 5...	17	9
Third week—			
Baku (town).....	Dec. 13-17.....	1	1
Kutais government.....	Nov. 29-Dec. 13..	1	1
Stavropol government.....	Dec. 10-13.....	5	1
Kars government.....	Dec. 6-12.....	12	6

I am, sir, your most obedient servant,

JAMES C. CHAMBERS,  
*Consul.*

To the Hon. JOSIAH QUINCY,  
*Assistant Secretary of State.*

TURKEY IN ASIA.

*Report of cholera.*

Under date of December 16, 1893, the U. S. consul at Sivas writes as follows: "The official report gives 6 deaths from cholera at Amassia during the last two weeks. I think the number should be considerably larger. The rate of death at Trebizond from cholera is officially stated to be about 15 per day."



## SPECIAL REPORTS.

**ARGENTINE REPUBLIC**—*Buenos Ayres*.—Month of October, 1893. Population, 575,587. Total deaths, 1,238, including smallpox, 1; enteric fever, 10; scarlet fever, 7; diphtheria, 54; and measles, 7.

**BRAZIL**—*Ceara*.—Month of November, 1893. Population, 40,379. Total deaths, 97, including measles, 2; and whooping cough, 2.

**CANADA**—*Nova Scotia*—*Windsor*.—Month of December, 1893. Population, 2,750. Total deaths, 4, including 3 from phthisis pulmonalis.

**CUBA**—*Nuevitas*.—Month of December, 1893. Population, 4,056. Total deaths, 6. No deaths from contagious diseases.

**FRANCE**—*Lille*.—Month of November, 1893. Population, 200,329. Total deaths, 373, including enteric fever, 2; diphtheria, 8; and whooping cough, 2.

*St. Etienne*.—Two weeks ended December 20, 1893. Population, 133,443. Total deaths, 126, including enteric fever, 2, and diphtheria, 2.

**GREAT BRITAIN**—*England and Wales*.—The deaths registered in 33 great towns of England and Wales during the week ended December 30 corresponded to an annual rate of 22·6 a thousand of the aggregate population, which is estimated at 10,327,846. The lowest rate was recorded in Preston, viz, 15·6, and the highest in Plymouth, viz, 49·3 a thousand.

*London*.—One thousand nine hundred and twenty deaths were registered during the week, including measles, 49; scarlet fever, 27; diphtheria, 79; whooping cough, 67; enteric fever, 17; and diarrhea and dysentery, 7. The deaths from all causes corresponded to an annual rate of 27·4 a thousand. In greater London 2,480 deaths were registered, corresponding to an annual rate of 22·1 a thousand of the population. In the "outer ring" the deaths included diphtheria, 12; whooping cough, 22; scarlet fever, 10; and measles, 6.

*Ireland*.—The average annual death rate represented by the deaths registered during the week ended December 30 in the 16 principal town districts of Ireland was 33·5 a thousand of the population. The lowest rate was recorded in Lisburn, viz, 8·5, and the highest in Wexford, viz, 90·3 a thousand. In Dublin and suburbs 247 deaths were registered, including scarlet fever, 2; measles, 2; whooping cough, 6; and enteric fever, 6.

*Hull*.—Four weeks ended December 16, 1893. Population, 208,639. Total deaths, 435, including enteric fever, 9; scarlet fever, 3; diphtheria, 5; and whooping cough, 18.

**RUSSIA**—*Riga*.—Month of October, 1893. Population, 215,000. Total deaths, 451, including phthisis pulmonalis, 46; enteric fever, 7; smallpox, 3; scarlet fever, 17; diphtheria, 4; "cramps," 26; measles, 15; croup, 2; and whooping cough, 12.

**TURKEY**—*Constantinople*.—Month of November, 1893. Total deaths, 1,396, including cholera, 303; and smallpox, 9.

## MORTALITY TABLE, FOREIGN CITIES.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—							
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
											Whooping cough.
Aden	Dec. 16.	3,500	15								
Aix-la-Chapelle	Dec. 23.	108,089	39								
Alexandria	Dec. 14.	231,396	201					1	2	5	1
Bagdad	Dec. 2.		16								
Bagdad	Dec. 9.		18					5			
Barmen	Dec. 9.	118,000	62							3	
Barmen	Dec. 16.	118,000	58							4	5
Barmen	Dec. 23.	118,000	44							1	2
Batoum	Dec. 19.	28,000	5			1				7	
Batoum	Dec. 26.	28,000	5								
Basle	Dec. 23.	78,000	32								
Bellerive	Jan. 6.	10,201	3								11
Berlin	Dec. 16.	1,750,000	651					1	7	40	11
Birmingham	Dec. 30.	487,897	196			5		1			3
Bologna	Dec. 30.	146,068	71							1	
Bordeaux	Dec. 31.	252,415	109					2		2	3
Bristol	Dec. 23.	225,146	145			1		1		4	
Brussels	Dec. 23.	483,081	158					1			
Buda-Pesth	Nov. 26.	530,000	27	5					7	10	3
Buda-Pesth	Dec. 3.	530,000	21						2	11	3
Buda-Pesth	Dec. 17.	530,000	12					1		4	2
Buda-Pesth	Dec. 24.	530,000	22					2		11	1
Cairo	Dec. 14.	374,838	320					7			
Calcutta	Dec. 2.	681,560	584	15		1					
Calcutta	Dec. 9.	681,650	535	19							
Cartagena	Dec. 17.	25,000	15								
Cartagena	Dec. 24.	25,000	17								
Cartagena	Dec. 31.	25,000	16								
Chatham	Jan. 6.	10,000	3								
Chemnitz	Dec. 20.	145,000	72					1		10	1
Chemnitz	Dec. 27.	145,000	88							3	2
Chihuahua	Dec. 31.	29,500	16								
Chihuahua	Jan. 7.	29,500	26							1	
Christiania	Dec. 23.	161,151	73						1	1	
Cienfuegos	Jan. 6.	23,000	21	2				2			
Colon	Dec. 30.	3,000	10								
Copenhagen	Dec. 23.	334,000	119						11	3	
Crefeld	Dec. 30.	108,000	87								
Danzig	Dec. 30.	121,000	71							1	
Dublin	Dec. 23.	350,000	204					3			1
Dunkirk	Jan. 1.	140,000	28								3
Dusseldorf	Dec. 23.	160,750	52							2	
Flushing	Dec. 20.	15,000	8								
Funchal	Dec. 16.	35,665	23					2		1	
Ghent	Dec. 30.	151,811	74					2		3	1
Gibraltar	Dec. 24.	25,755	10								
Girgenti	Dec. 23.	23,847	20							1	2
Glasgow	Dec. 23.	677,883	288					2	5	3	
Gothenburg	Dec. 23.	108,000	37			1					
Guelph	Dec. 30.	10,689	4								
Guelph	Jan. 7.	10,689	1								
Guelph	Jan. 13.	10,689	1								
Halifax	Jan. 6.	38,700	16								
Hamburg	Dec. 23.	620,000	204						2	12	2
Hamilton	Dec. 30.	15,013	2								1
Hamilton	Jan. 6.	15,013	2								
Hanover	Dec. 16.	165,300	70								
Havana	Jan. 4.	198,620	504	1				2		2	
Kingston	Jan. 12.	19,264	13								
Leeds	Dec. 30.	382,094	151						1	1	1
Leghorn	Dec. 30.	103,166	35								6
Lientsa	Dec. 24.	20,000	18							1	
Liege	Dec. 30.	155,898	58					1			2
London	Jan. 6.		22								
Lyons	Dec. 23.	500,000	186							9	
Madrid	Dec. 15.	482,816	381								1
Madrid	Dec. 22.	482,816	419			7		1		8	2
Mannheim	Dec. 23.	80,000	43			8		4		2	2
Matamoras	Jan. 5.	8,000	7								
Matanzas	Jan. 3.	40,000	23								
Munich	Dec. 23.	380,000	228						2	2	20
Nogales	Jan. 6.	1,200	2								1
Nuremberg	Dec. 9.	154,086	59					1	2	1	
Palermo	Dec. 23.	250,000	106							4	
Paris	Dec. 31.	2,424,705	962			17		6	4	25	9

## MORTALITY TABLE, FOREIGN CITIES—Continued.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—							
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles. Whooping cough.
Plymouth.....	Dec. 30....	86,772	82						1		9
Port au Prince.....	Dec. 3....	40,000	12								
Port au Prince.....	Dec. 11....	40,000	24								
Port au Prince.....	Dec. 18....	40,000	25								
Port au Prince.....	Dec. 25....	40,000	22								
Prague.....	Dec. 23....	188,140	129					1	1	4	
Rheims.....	Dec. 30....	105,408	50						1	3	
Rio de Janeiro.....	Dec. 2....	590,200	261		4	3					2
Rome.....	Nov. 18....	448,496	197					2			1
Rome.....	Nov. 25....	448,496	174	2				4	1	3	
Rome.....	Dec. 2....	448,496	178	1				3			
Rome.....	Dec. 9....	448,496	161	3				5		3	1
Rotterdam.....	Dec. 30....	222,233	106			9			1		
Sagua la Grande.....	Jan. 6....	18,109	15		1						
St. Georges.....	Jan. 1....	15,013	1								
St. Georges.....	Jan. 8....	15,013	1								
St. Stephen.....	Jan. 6....	2,700	1								
Santiago de Cuba.....	Jan. 5....	50,000	23								
Schiedam.....	Dec. 30....	25,533	11								
Sheffield.....	Dec. 29....	336,173	128					1	1	4	2
Southampton.....	Dec. 23....	66,119	28					1			
Southampton.....	Dec. 30....	66,119	29								
Stockholm.....	Dec. 23....	249,246	131						2	8	2
Trapani.....	Dec. 23....	39,095	11					1		2	3
Trieste.....	Dec. 23....	158,314	101			1			2	2	2
Tuxpan.....	Dec. 30....	10,280	4								
Tuxpan.....	Jan. 6....		9								
Venice.....	Dec. 23....	10,280	23								
Vera Cruz.....	Jan. 4....	160,814	24			1					
Victoria.....	Nov. 18....	23,500	6								
Victoria.....	Nov. 25....	16,841	8								
Victoria.....	Dec. 2....	16,841	5								
Victoria.....	Dec. 9....	16,841	7								
Victoria.....	Dec. 16....	16,841	4								
Victoria.....	Dec. 23....	16,841	1								
Victoria.....	Dec. 30....	16,841	8								
Warsaw.....	Dec. 16....	500,931	231								

By authority of the Secretary of the Treasury :

WALTER WYMAN,  
*Supervising Surgeon-General Marine-Hospital Service.*